GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:19
ANSWERED ON:02.02.2017
Generation of Wind Power
Chudasama Shri Rajeshbhai Naranbhai

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of the schemes to encourage wind power generation in the country;
(b) the details of the total generation of wind energy in the country, vis-a-vis total power generated from other sources of renewable energy during each of the last three years and the current year, State-wise;
(c) the ratio of contribution made by wind energy to the total energy consumption in the country during the above period; and
(d) the measures taken by the Government to augment wind power in the country including technological advancements made in this direction?

Answer

MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a) : The Government is promoting wind power projects through private sector investment by providing fiscal and financial incentives such as Accelerated Depreciation (AD) benefit; concessional custom duty, special additional duty and excise duty exemption on certain components of wind electric generators; 10 years tax holiday on income generated from wind power projects; etc. In addition, Generation Based Incentive (GBI) Scheme is available for the projects not availing AD benefit, under which Rs.0.50/unit is being provided to eligible wind power generators, with a ceiling of Rs. 1.00 crore per MW.
(b): Central Electricity Authority (CEA) has started compiling the renewable energy generation data from 2014-15 onwards.
The State/UT-wise quantum of energy produced from wind energy vis-a-vis total power generated from other sources of renewable energy during 2014-15, 2015-16 and current year (till 30.11.2016) is given at Annexure-I.
(c): During 2014-15, 2015-16 and current year (till 30.11.2016) the wind energy contribution was 3.04%, 2.81% and 4.43% of the total electricity generated in the country respectively.
(d): To augment wind power in the country, in addition to the providing fiscal and financial incentives as stated in part (a) above, following steps have been taken:
â€¢ Technical support including wind resource assessment and identification of potential sites is provided by the National Institute of Wind Energy, Chennai.
â€¢ Most of the wind potential exists in 7-8 windy States. In order to facilitate inter-state sale of wind power, the inter-state transmission charges and losses have been waived off for the wind projects to be commissioned by March 2019.
â€¢ For optimum utilisation of resources Repowering Policy has been issued in August 2016 that provides enabling framework for replacement of old and small capacity wind turbines with high capacity wind turbines.